Wireless and wired headset communication systems for workboats and powerboating

MARINE COMMUNICATION SOLUTIONS

David Clark®

WWW.DAVIDCLARK.COM

DAVID CLARK MARINE COMMUNICATION SYSTEMS

Communicating on the water in workboats or 'go fast' performance powerboats presents unique challenges – wind and engine noise can disrupt critical communications, while the salt and spray of harsh, corrosive marine environments can wreak havoc on communication headsets and system components.

Our wireless and wired marine communication systems are designed with stainless steel hardware and watertight components to withstand the rigors of the marine environment, while providing clear, reliable communications.

WIRELESS SERIES 9900

((WIRELESS))

WIRELESS MOBILITY PROMOTES SAFETY AND PERFORMANCE FOR WORKBOAT OPERATIONS

David Clark Company Wireless Headset Communication Systems provide maximum freedom and mobility as well as clear communication for workboats and recreational power boating. Crew members move about freely and easily without being tethered to a fixed position. Communication is clear and safety is dramatically improved.

SYSTEM COMPONENTS: HEADSETS

H9940

Behind-the-Head style • Noise Reduction Rating: 23 dB • Designed for use under protective head gear

H9980

Over-the-Head style • Designed for use under ballistic helmets • Flat black finish for covert operations

Features

- Marine-grade stainless steel hardware for rugged durability
- Immersion-proof, M-87 type, dynamic noise-cancelling microphone
- Hybrid hinged wire/flex boom, 280º rotational for left/right side mic positioning
- Dual, dynamic earphones with stainless steel retainers
- Water-tight volume controls
- Undercut, 'Comfort-Gel' ear seals for maximum comfort
- Many other headset styles available

Visit www.davidclark.com/wireless for complete wireless headset specifications

SYSTEM COMPONENTS: BELT STATIONS

Series 9900 Belt Stations function as the wireless interface between a headset and a wireless system Gateway. All Belt Stations are designed with water-tight, impact-resistant enclosures for rugged durability and reliable performance in the harshest marine environments. Belt Stations feature a 360° rotational belt clip for versatile attachment options and easy access.

U9910-BSW

Transmits and receives all system audio, to and from the Gateway and user's Headset. Also provides radio transmit capability.

EU version available: U9910-BSW(EU)

Features

- Hands-free, full duplex, voice activated (VOX) intercom communication
- DECT-based technology provides secure signaling and prevents unwanted 'cross talk'
- Provides audible voice prompts for link, out-of-range and low battery
- Rubberized outer skin provides impact protection and is oil, water and UV resistant (color varies by model)

Visit www.davidclark.com/wireless for complete specifications on all wireless system components

U9913-BSW

Transmits and receives all system audio, to and from the Gateway and user's Headset. Ideal for crew members or passengers requiring intercom-only communications (no radio transmit capability).

EU version (available soon): U9913-BSW(EU)

BATTERY CHARGER: A99-04CRG

- Accommodates 4 each Li-Polymer Batteries
- LED indicators for individual charge status
- Fully charges batteries in 3-4 hours
- 110 VAC power
- EU version (250 VAC): A99-04CRG2

Li-Polymer batteries (P/N: 40688G-90) provide up to 24 hours continuous use when fully charged.

Note: Chargers are not sealed units, and are not intended for installation in wet or corrosive environments.

WIRELESS

SYSTEM COMPONENTS: GATEWAY

The U9921-GUV Universal Gateway acts as a relay for all audio between wireless users and existing David Clark wired systems and their connected mobile radios. The U9921-GUV is the ideal solution to problems associated with typical wired intercom system limitations of movement.

U9921-GUV
Universal Gateway

Features

- Hands-free, full-duplex, voice-activated (VOX) intercom communication
- DECT-based technology provides secure signaling and prevents unwanted 'cross talk'
- Accommodates up to four (4) users simultaneously connected with audio per Gateway.
- Multiple Gateways may be used to expand the number of wireless users within a dedicated system
- Internal antenna, with connection for remote antenna options
- Marine-grade, water-tight, impact-resistant enclosure for rugged durability and reliability
- Compatible with most HF, UHF and VHF radios via wired system
- EU version available: U9921-GUV (EU)

OPTIONAL ACCESSORIES

A99-01MKT
Mounting Bracket

Features

- Provides surface mount option for U9921-GUV Universal Gateway
- Convenient for console or ceiling installations

40688G-96
Remote Antenna Kit

Features

- Improves wireless range beyond internal antenna of U9921-GUV
- Permanent Installation
- 7-band N-mount antenna
- 17-foot ATX-195 type coax cable, with N-mate and RPSMA connector

SYSTEM COMPONENTS: U9921-GUV INTERFACE CABLES (20 FT. LENGTH)

C99-20LL – Interface for 9500 Series systems
C99-20CX – Interface for 9800 Series systems
C99-20MS – Interface for 3100/3400 Series systems
C99-22MS – Interface for 3800 Series systems

Visit www.davidclark.com/wireless for component manuals and installation instructions

WIRED SERIES 9500 SYSTEM

David Clark **Series 9500 Marine Intercom System** provides quality communications **in wired marine system applications**. The system is ideal for a wide variety of workboats including harbor patrol vessels, Homeland Security 'go-fast' boats, customs and border patrol vessels and military craft.

Series 9500 System Features

- Ease of operation under critical conditions
- Accommodates up to 4 crew members, all with radio transmit capability
- Expandable up to 8 positions with external modifications (contact factory)
- Corrosion resistant, weather-tight enclosures
- Ability to connect three mobile radios
- Compatible with most mobile VHF, UHF and marine band radios
- User connectivity to portable radios when boarding other craft
- Five-year warranty - Master Station
- One-year warranty - Headsets, Cords and Belt Station

SYSTEM COMPONENTS: HEADSETS

H9530

Over-the-Head style
Soft, 'Air-Flow' head pad
Noise Reduction Rating: 23 dB

H9540

Behind-the-Head style
Comfortable, low tension headband
Noise Reduction Rating: 23 dB

H9580

Over-the-Head style
Designed for use under ballistic helmets
See Data Sheet for attenuation data

Features

- Corrosion-resistant, stainless steel hardware with flat black finish
- Undercut, 'Comfort-Gel' ear seals provide outstanding comfort
- Immersion-proof, M-87 type, dynamic noise-cancelling microphone
- Wire boom, 280° rotational for left or right-side mic placement
- Dual dynamic earphones with stainless steel retainers
- Straight cord, 30" (to Belt Station)
- Simple, durable design; all controls housed on Belt Station (see below)

SYSTEM COMPONENTS: BELT STATIONS & CORDS

U9510BS

Provides intercom and radio transmit capability for Series 9500 Headsets

Features

- Weather-tight housing, RFI shielded for enhanced reliability
- Water-resistant connectors with high cycle rates for simplified, long-lasting operation
- Rocker switch allows two modes of communication:
  - RAD – Microphone is "hot", allowing for hands-free intercom operation and PTT button enables radio transmission (standard mode)
  - IC – Microphone is "silent", and PTT button is used for intercom communication between positions (for extremely high-noise environments)

BELT STATION CORDS

Provide connection from the U9510BS Belt Station to Series 9500 system cables, while enhancing mobility of user

- C95-12BS Belt Station Cord – 12 ft. straight cord
- C95-15BS Belt Station Cord – 15 ft. (extended)coil cord

C95-15BS

C95-12BS

Visit www.davidclark.com/Marine/9500 for complete specifications on all Series 9500 components

SYSTEM COMPONENTS: MASTER STATION

The U9500 Master Station is the heart of the system. The Master Station is used in conjunction with Series 9500 Headsets and Belt Stations to provide clear, reliable communication in harsh marine environments.

U9500
Master Station

- Accommodates up to 4 crew members, all with radio transmit capability
- Expandable to 8 positions with external modification (contact factory)
- Allows full-duplex (simultaneous) communication between crew members
- Ability to connect with three radios
- Expandable to six radios with optional Multi-Radio Interface Module (M-RIM)
- Compatible with most mobile VHF, UHF and marine band radios
- Rugged, corrosion-resistant housing and easy to operate control knobs and switches
- Surface-mount kit included; optional flush-mount kit available (M9500FM)
- 5-year warranty

SYSTEM COMPONENTS: SYSTEM CABLES

C95-10, -20, 30LN
System Cable, In-Line

In-line system cable assemblies provide connection between the U9500 Master Station and the user's Belt Station cable.

- Keyed "Break-away" connectors provide quick disconnect when required (12 lb. pull force)
- Opposite end of cable prepared for connection to MTA 100 connectors (mate to user positions internal to U9500 Master Station)

SYSTEM COMPONENTS: ANCILLARY EQUIPMENT

U9510BH
Belt Station Holster

Durable, ballistic nylon Belt Station Holsters provide a rugged package for multiple securing options to apparel.

C95-15RS
Remote PTT Button

Remote PTT button offers additional radio- transmit flexibility. The button can be mounted in any convenient location, such as the throttle, providing a more ergonomic radio PTT option.

C95-62PR
Universal Radio Adapter

Connects the user's Belt Station to a portable radio via the appropriate C6200 Radio Adapter for their specific portable unit, allowing the user to disconnect from the Series 9500 system and transfer communications to the portable radio. Invaluable when boarding another craft (i.e., boat or helicopter).

Visit www.davidclark.com/Marine/9500 for compatible radios and correlating adapters

WIRED SERIES 9800 SYSTEM

David Clark **Series 9800 Marine Intercom System** provides a reliable communication solution **in wired marine system applications**. The system is ideal for the high noise and high wind associated with 'go-fast' racing boats, recreational, high performance water craft and workboats.

Series 9800 System Features

- Full duplex, voice-activated (VOX) intercom communication
- Accommodates up to 6 crew members, 2 of whom (Captain/Co-Captain) have radio transmit capability
- Corrosion resistant, weather-tight shielded enclosures
- Ability to connect two radios with split audio capability (i.e., left ear, Radio 1; right ear, Radio 2)
- Expandable to five radios with optional Multi-Radio Interface Module (M-RIM)
- Compatible with most mobile VHF, UHF and marine band radios
- Aux-In connection for stereo music input
- Optional Body Switch Adapters with mobile/sat phone interface

SYSTEM COMPONENTS: HEADSETS

H9842
Behind-the-Head style

H9842BK
Behind-the-Head style

H9832
Over-the-Head style

Features

- Both Behind-the-Head and Over-the-Head styles
- Low tension headband assemblies
- Stainless steel hardware resists corrosive salt and spray
- Waterproof, locking connector for increased reliability
- Undercut, 'Comfort-Gel' ear seals for maximum comfort
- Immersion-proof, M-87 type, dynamic noise-cancelling microphone
- 280° rotating stainless steel wire-boom allows easy left or right side mic placement
- Wired for stereo with dual volume controls for left and right side adjustment
- Noise Reduction Rating: 23db

Visit www.davidclark.com/Marine/9800 for complete headset specifications

SYSTEM COMPONENTS: PANEL DISPLAY

U9810PD

Multi-Function LCD Panel Display

The Series 9800 Panel Display is a user-friendly, intuitive interface that is used to customize the intercom and audio system for an enhanced boating experience. Easy-to-read LCD display and tactile push-button controls allow the user to toggle through control settings and modify listen levels, microphone sensitivity and display brightness, as well as radio level adjustments and transmit options.

SYSTEM COMPONENTS: BODY SWITCH ADAPTER

U9810BS

Provides Intercom and Radio Transmit Capability for Series 9800 Headsets

The U9810BS is specially designed for harsh marine weather, with a water-tight, RFI-shielded housing. The large, push-button radio PTT switch can be easily activated at high speeds and a 15-ft. (extended) coil cord permits greater user mobility. Model U9811BS is the same as U9810BS, but is used with C98XXCL adapter cords for mobile/sat interface.

Features

- Easy access, PTT body switch
- Keyed, water-tight connectors ensure proper connection
- RFI-shielded enclosure for increased reliability and interference-free communication
- 360° rotating belt clip for flexible placement options
- 15-foot (extended) coil cord
- One-year warranty

SYSTEM COMPONENTS: MASTER STATION

U9800S

Provides Clear Intercom Communications for up to Six Crew Members

The Master Station is the heart of the system, and provides crisp, clear, hands-free intercom communications for up to six crew members/passengers, two of whom (Captain/Co-Captain) have radio transmit capability.

Features

- Split audio feature enables user to hear one radio in one ear and a second radio in the other ear
- Water-tight, corrosion-resistant housing and connectors
- Plug and play architecture, easy to retrofit
- Provides connection to auxiliary audio sources (stereo, MP3, CD, etc.)
- Five-year warranty

SYSTEM COMPONENTS: MARINE CABLES

- **C98-10, -20, -30PN System Cables** – Panel mount, 10, 20 and 30 ft. lengths available (number after dash indicates length in feet)
- **C98-20PW Power Cable** – 20 ft. length
- **C98-20PD Panel Display Cable** – 20 ft. length
- **C98-20RDx* Radio Interface Cable** – 20 ft. length
- **C98-20AX Auxiliary Input Cable** – 20 ft. length

Visit www.davidclark.com/Marine/9800 for all available cable models, product specifications and cross-reference

'SOLO' SINGLE OPERATOR SYSTEM

The **'SOLO' Dual Radio Headset Station** is a single operator system utilizing Series 9800 headsets and components. The system is easy to set up and use for a variety of marine applications, allowing the user to receive and transmit on two radios. It also provides the ability to listen to a stereo background music source, which auto-mutes upon any radio traffic so as not to miss any critical communications.

U9840

'SOLO' Dual Radio Headset Station

Features

- Corrosion and weather resistant, built to withstand harsh marine environments
- Easy operation and installation
- Monitor and transmit on two radios
- Expandable to 5 radios with optional Multi-Radio Interface Module (M-RIM)
- Split audio capability (i.e., left ear, Radio 1; right ear, Radio 2)
- Contains an Auxilary Input connection for stereo sources, mutes upon any radio traffic
- Mobile/sat phone capabilities with use of U9811BS Body Switch and C98XXCL Adapter Cord
- Compatible with most VHF, UHF and marine band radios
- Utilizes Series 9800 Headsets and Cable Assemblies
- Surface-mount kit included; optional flush-mount kit available (M9840FM)

Visit www.davidclark.com/SOLO for complete information and compatible items

MULTI-RADIO INTERFACE MODULE (M-RIM)

M-RIM

Multi-Radio Interface Module

Features

- Marine-grade radio interface for up to four mobile radios
- Expands the number of radios used with Series 9500, 9800 or SOLO host systems
- Corrosion and weather resistant, built to withstand harsh marine environments
- Receive audio from all radios is summed together
- Individual toggle switches for separate radio receive on/off
- Internal audio level adjustments for each radio
- Four-position rotary switch to select radio transmit
- Utilizes Series 9800 Power and Radio Cables
- Surface-mount kit included; optional flush-mount kit available (M9840FM)

Visit www.davidclark.com/M-RIM for product details and system interface options

PORTABLE TWO-WAY RADIO COMMUNICATIONS

David Clark noise-attenuating headsets with noise-cancelling microphones facilitate clear and effective reception and transmission on portable two-way radios. A variety of headset styles and configurations — with and without adapters — are available for virtually hundreds of two-way radio makes and models.

Series 6200 Radio Direct *headsets connect directly to your two-way radio without the need for an adapter.*

Series 6700 Intrinsically Safe Radio Direct *headsets are also available for safe communication in potentially hazardous or explosive environments.*

Visit www.davidclark.com/twoway to find the right headset for your two-way radio make and model

ACCESSORIES

David Clark now provides communication solutions for Gecko™ Head Gear open-face and full-face marine safety helmets, compatible with David Clark Marine Communication Systems.

Download information at **www.davidclark.com/marine** or contact Customer Service for complete details.

UNDERCUT, "COMFORT GEL" EAR SEALS

(P/N:40863G-02)

- Compatible with all Series 9500, 9800 and 9900 Headsets
- Provides more interior room for user's ear
- Combination gel and memory foam for form-fitting seal

MICROPHONE COVER KIT

(P/N: 40688G-94)

- Compatible with all Series 9500, 9800 and 9900 Headsets
- Foam windscreen filters extraneous wind noise
- Cloth windscreen cover with zip-tie for securing over microphone

Visit www.davidclark.com/store for a wide selection of headset and system accessories

CUSTOMER SERVICE

We stand firmly behind our products and our customers with the most outstanding customer service and support in the industry. Our dedicated professionals strive to meet or exceed your expectations, whether answering questions about our products, warranty agreements and service policies, helping you learn how to use our products more effectively, or keeping you informed about recent developments so our technology can serve you better. Our commitment to quality, performance and total service encompasses not only our products, but the people behind them.

For more information visit **www.davidclark.com** or call our Customer Service professionals directly at **800-298-6235** (508-751-5800 outside the U.S.A.).

David Clark Company Incorporated
360 Franklin Street
Worcester, MA 01604 U.S.A.
Tel 508-751-5800

800-298-6235
WWW.DAVIDCLARK.COM

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